PATENT ABSTRACTS OF JAPAN

(11)Publication number:

04-305173

(43) Date of publication of application: 28.10.1992

(51)Int.CI.

G01R 31/02

(21)Application number: 03-069645

(71)Applicant : NEC CORP

(22) Date of filing:

02.04.1991

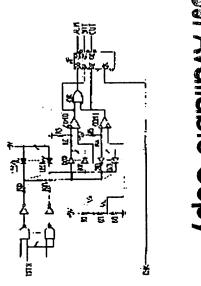
(72)Inventor: SAITO KOICHI

(54) CHECKING CIRCUIT FOR LIGHT EMITTING DOIDE

(57)Abstract:

PURPOSE: To automatically check the normality of a light emitting diode even when said diode is visually confirmed by a person.

CONSTITUTION: Light emitting diodes LED0-LEDn are driven by resistors R00-R0n so as to be allowed to light and the voltage corresponding to the min. value of voltage drop is outputted to the common cathode of the diodes D00-D0n and the voltage corresponding to the max. value of voltage drop is outputted to the common anode of the diodes D110-D1n. A comparator COM0 compares the voltage corresponding to the min. value with the reference voltage VH on a high potential side imparted by resistors R6-R8 and, when said voltage exceeds VH, an SHIT signal showing that there is a



Bost Available Copy

short-circuited diode is outputted through a D flip-flop PF. In the same way, when the voltage corresponding to the max. value is lower than VL, a comparator COM 1 outputs a CUT signal showing that there is a cut-off diode to the D flip-flop DF.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office